

FIG. 1A



FIG. 1B

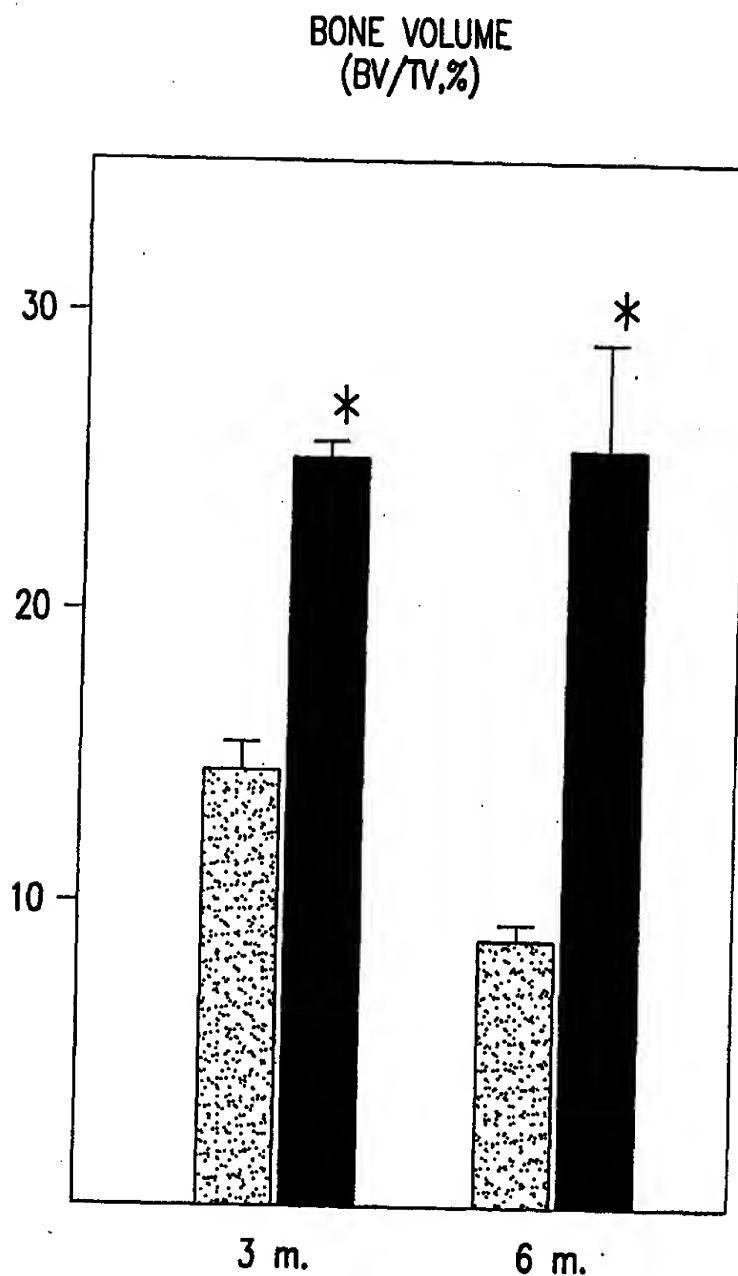


FIG. 1C

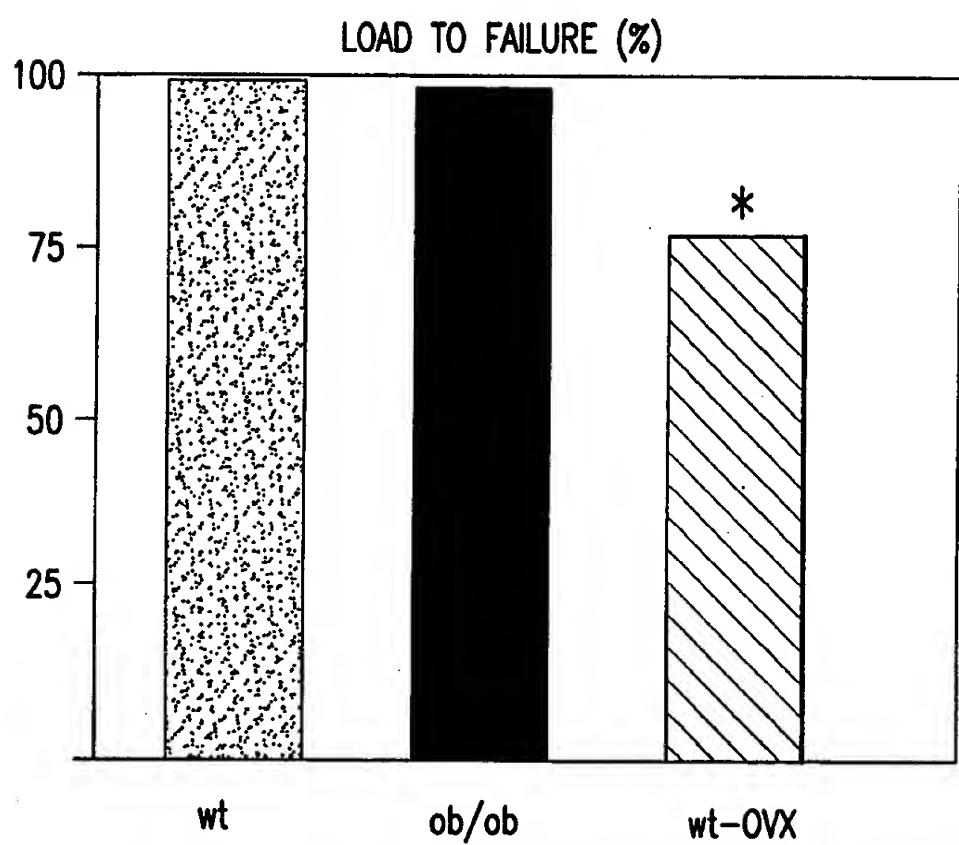


FIG. 1D

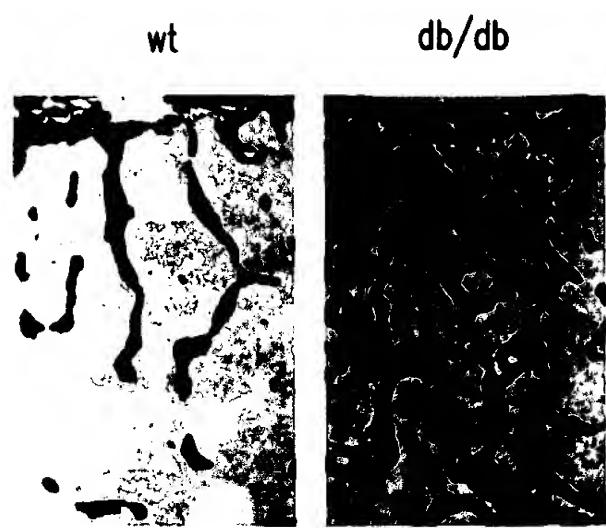


FIG. 1E

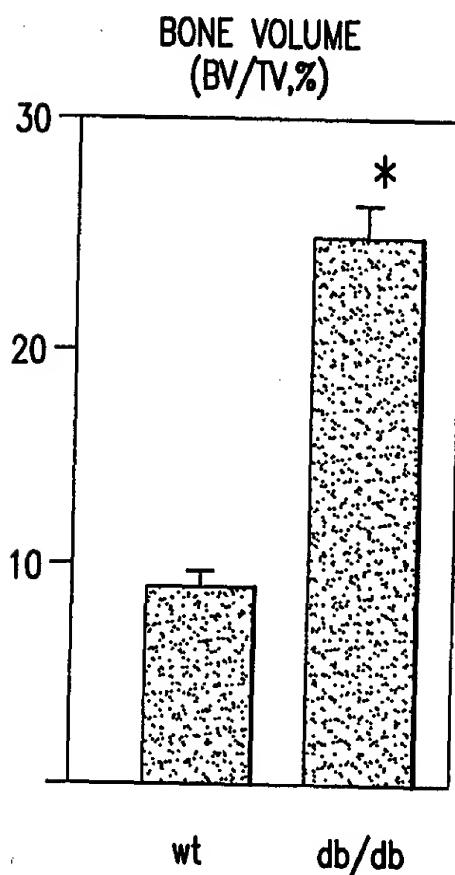


FIG. 1F

wt. 1 mo



ob/ob 1 mo
LFdiet



B. WEIGHT (g) 17.8 ± 3.1 20.3 ± 1.6

BONE VOL. (%) 13.8 ± 1.0 25.1 ± 1.4

FIG.2A

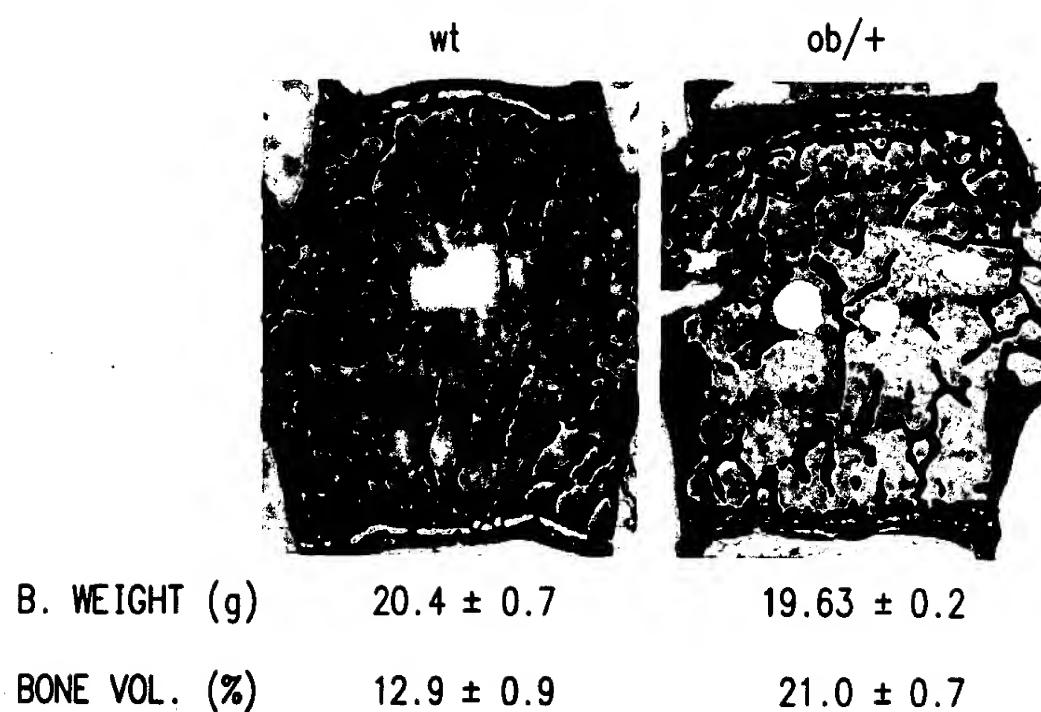


FIG.2B

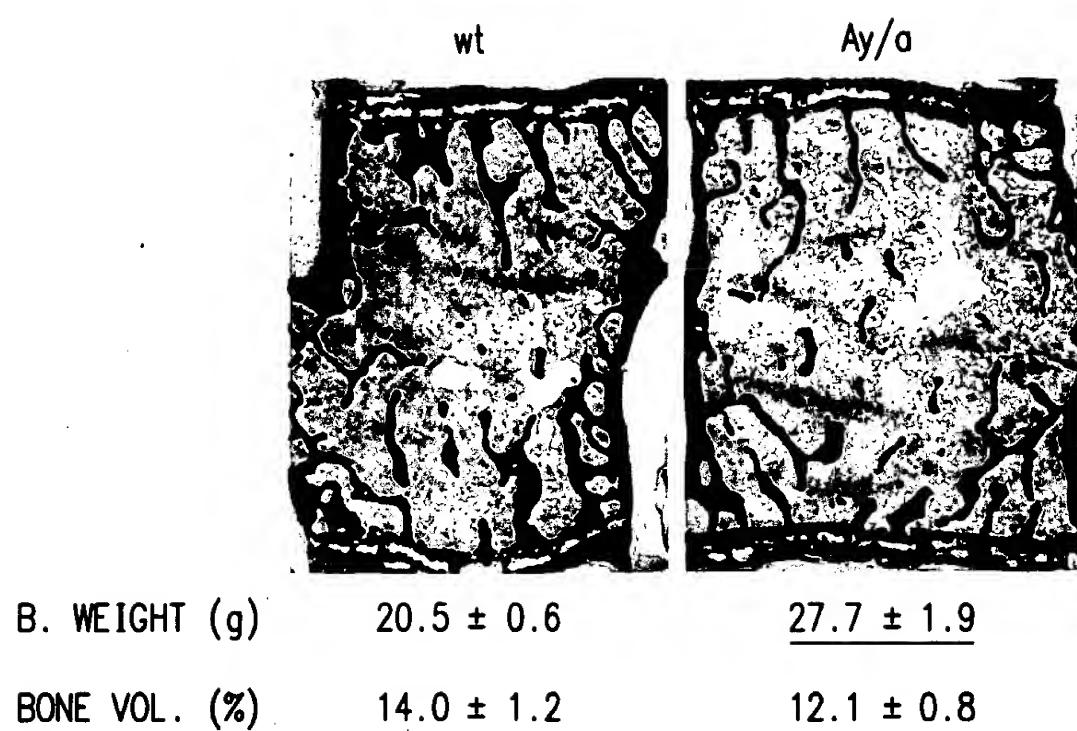


FIG.2C

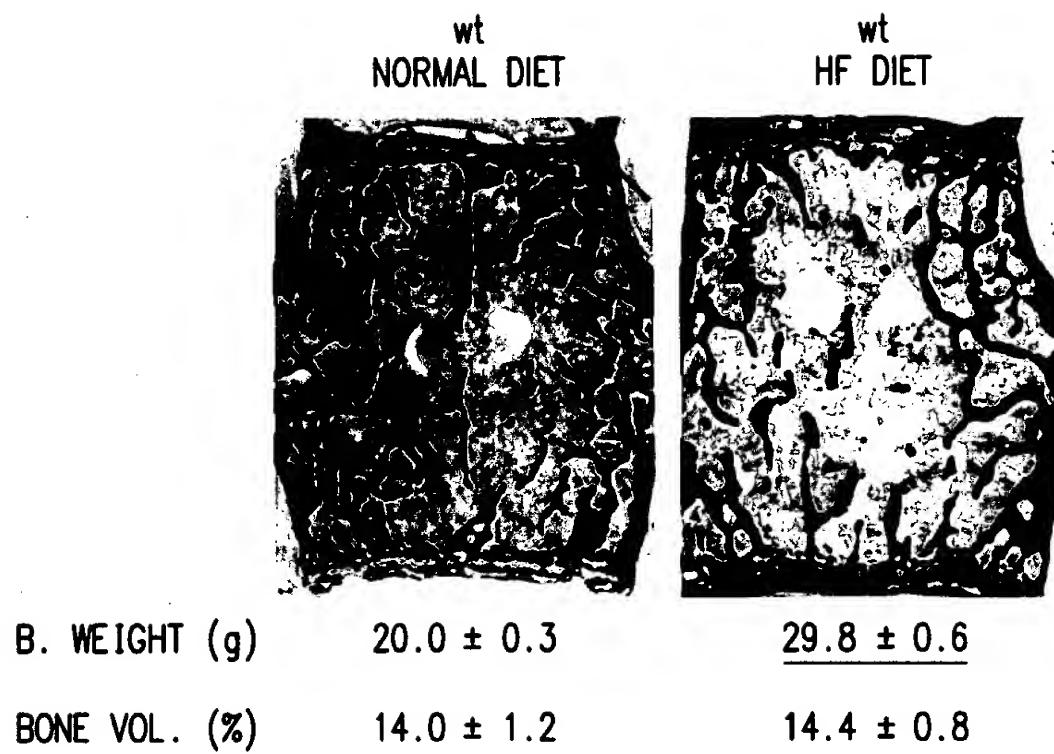


FIG.2D

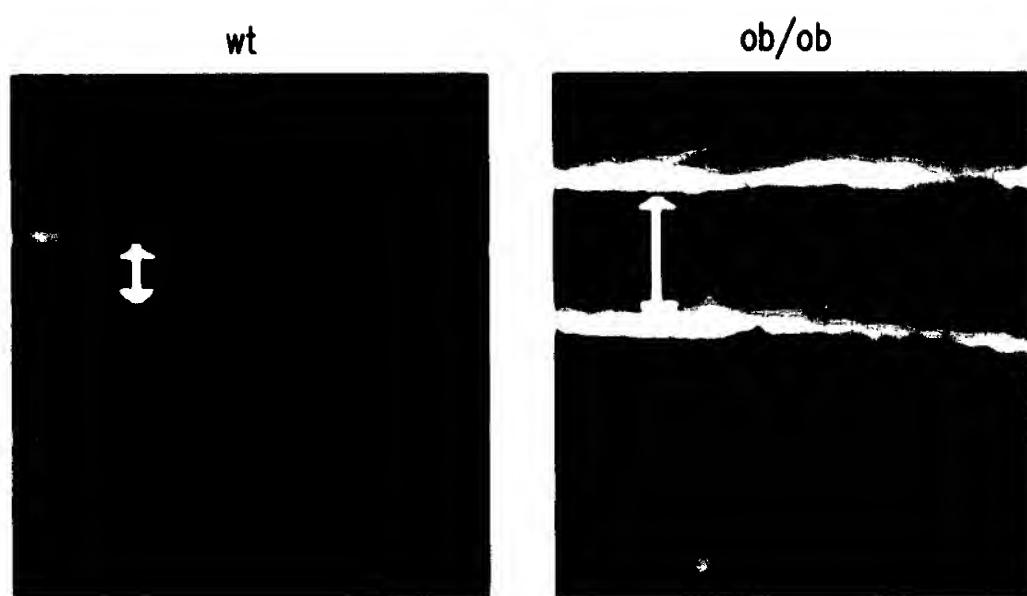


FIG.3A

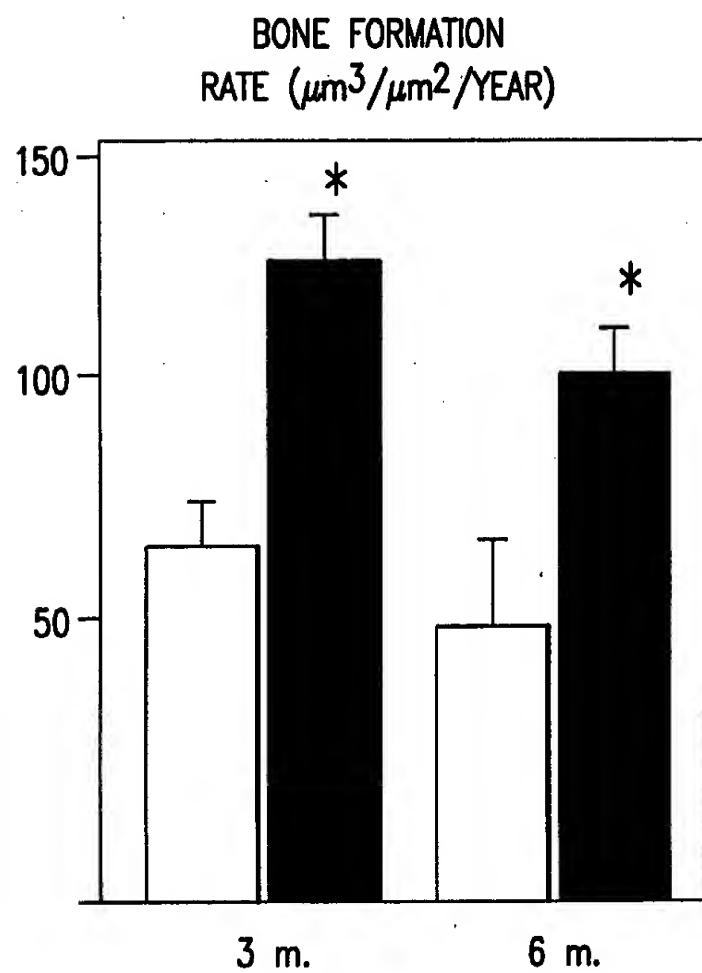


FIG. 3B

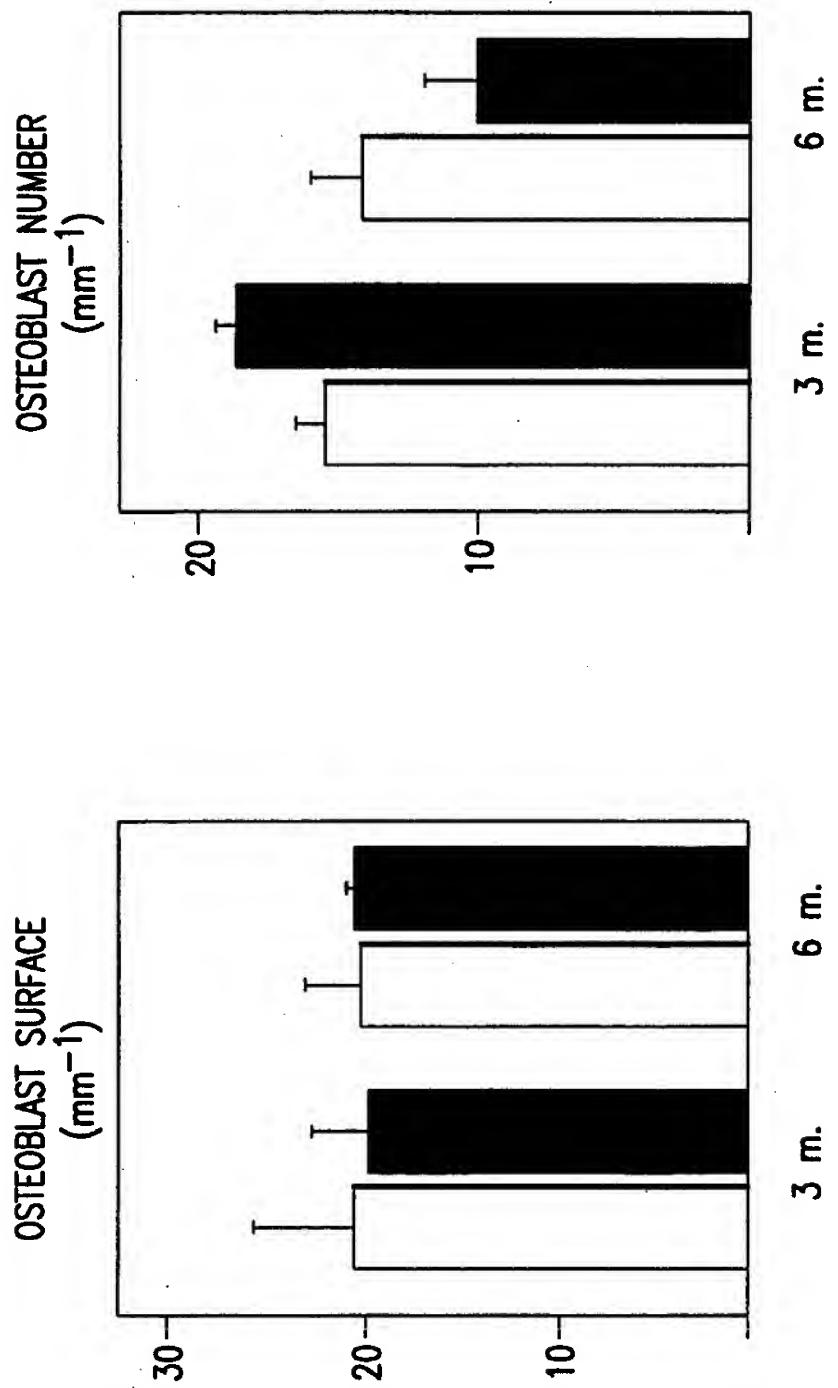


FIG. 3C-1

FIG. 3C-2

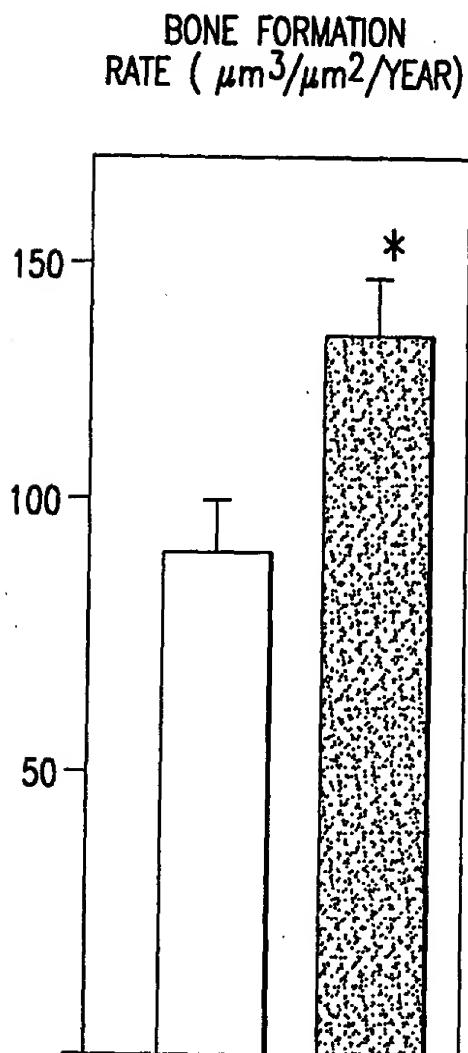


FIG. 3D

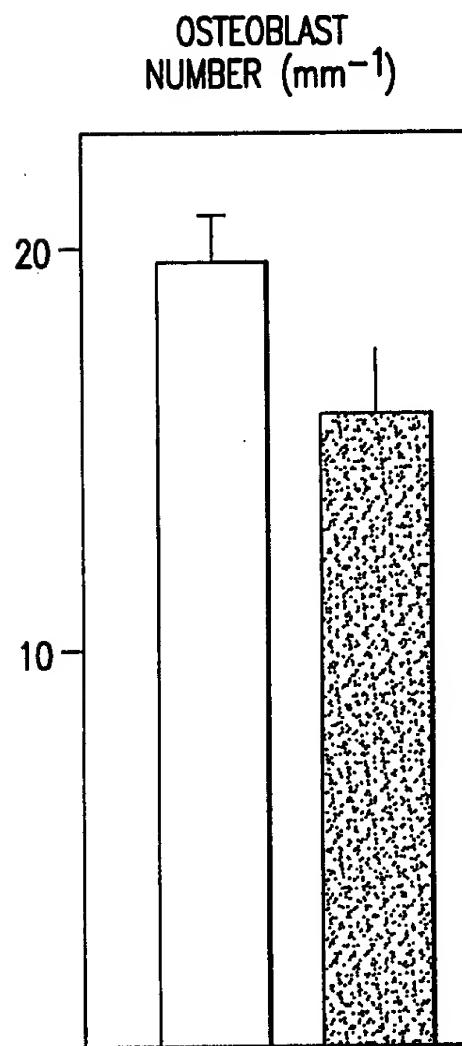


FIG. 3E

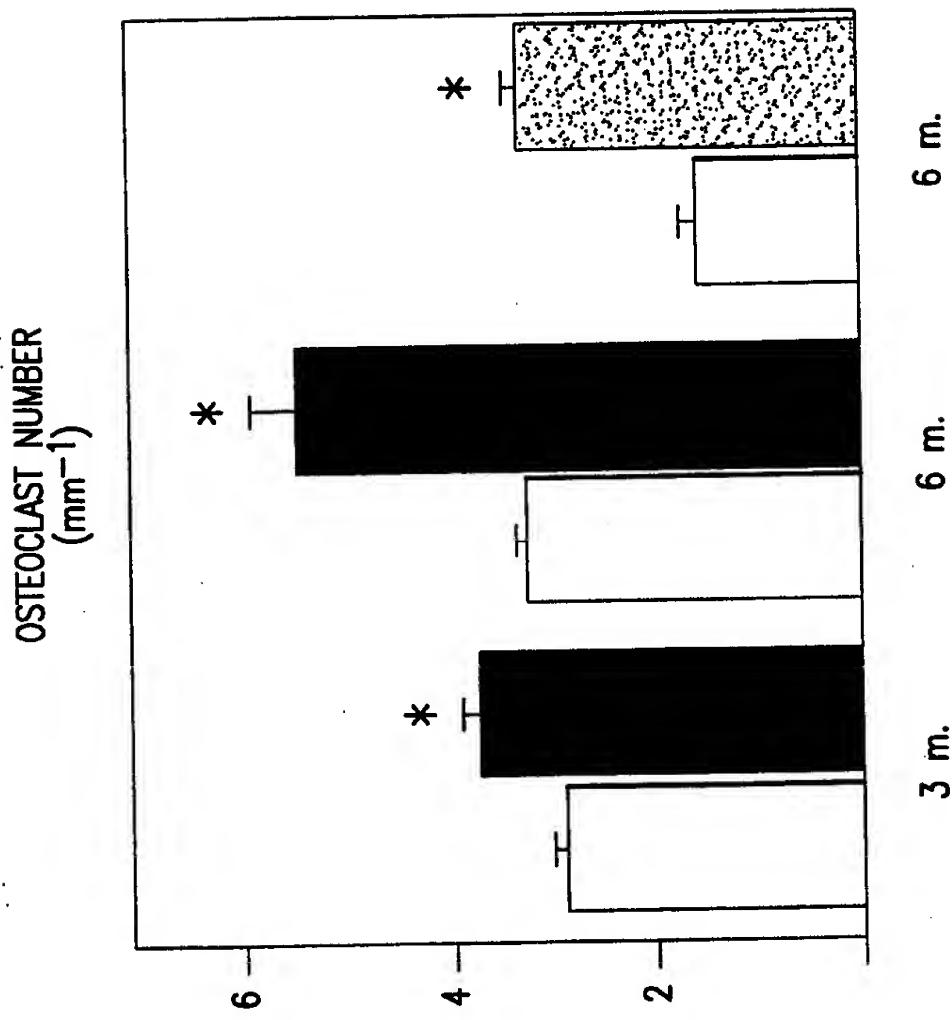


FIG. 3F

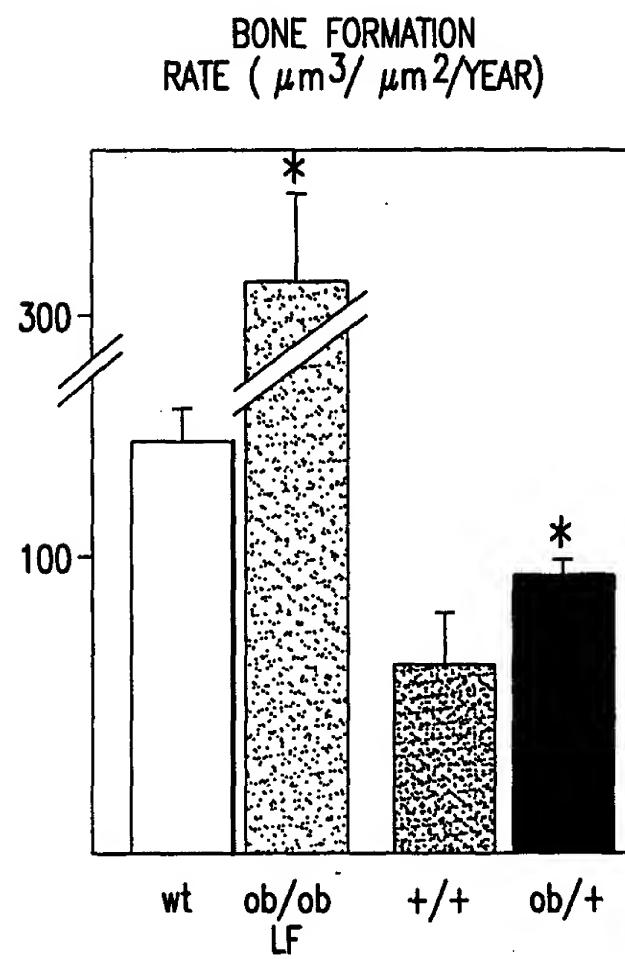


FIG. 3G

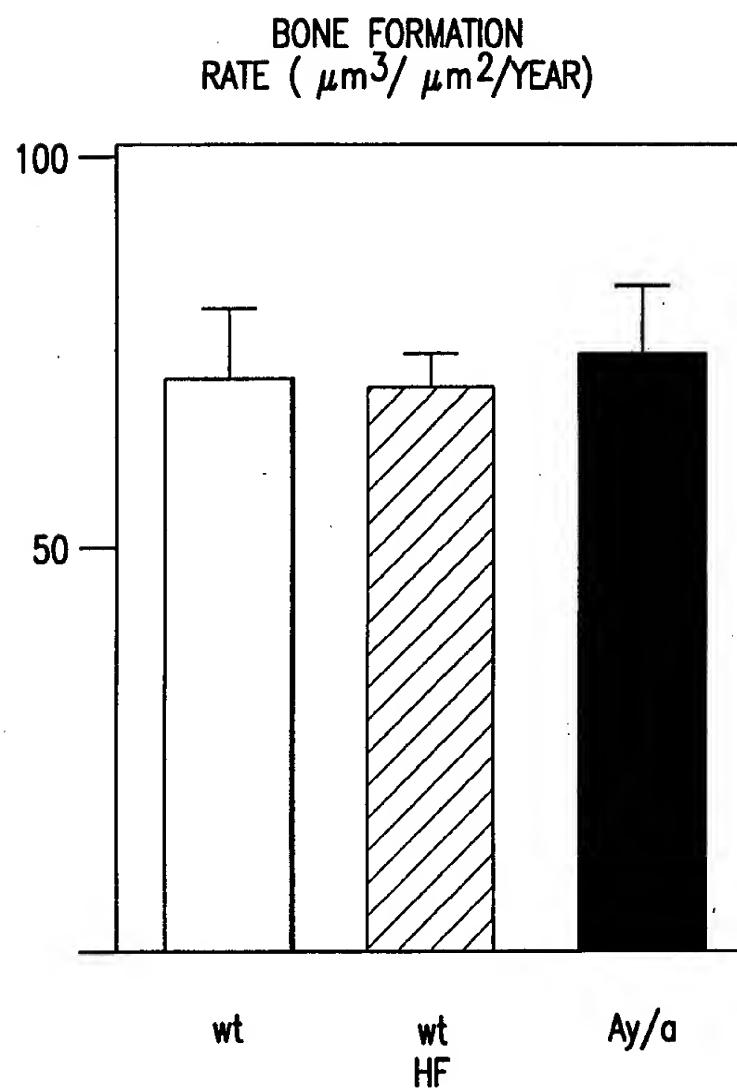


FIG. 3H



FIG.4A

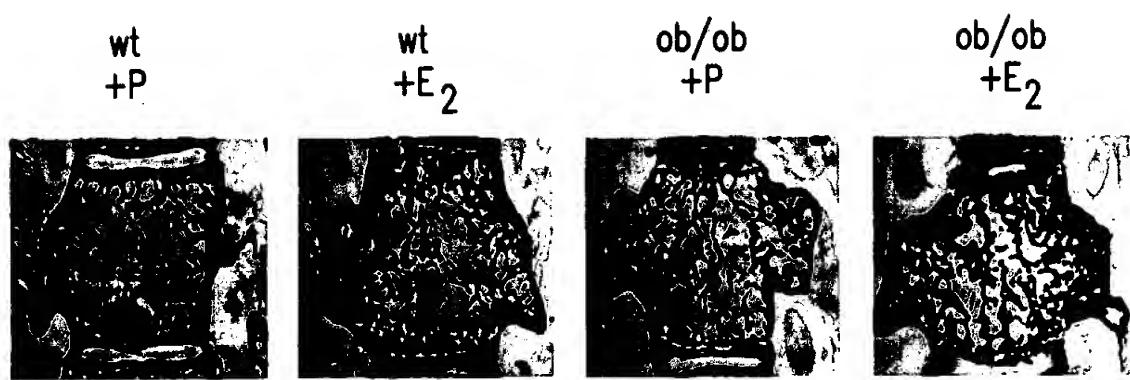


FIG.4B

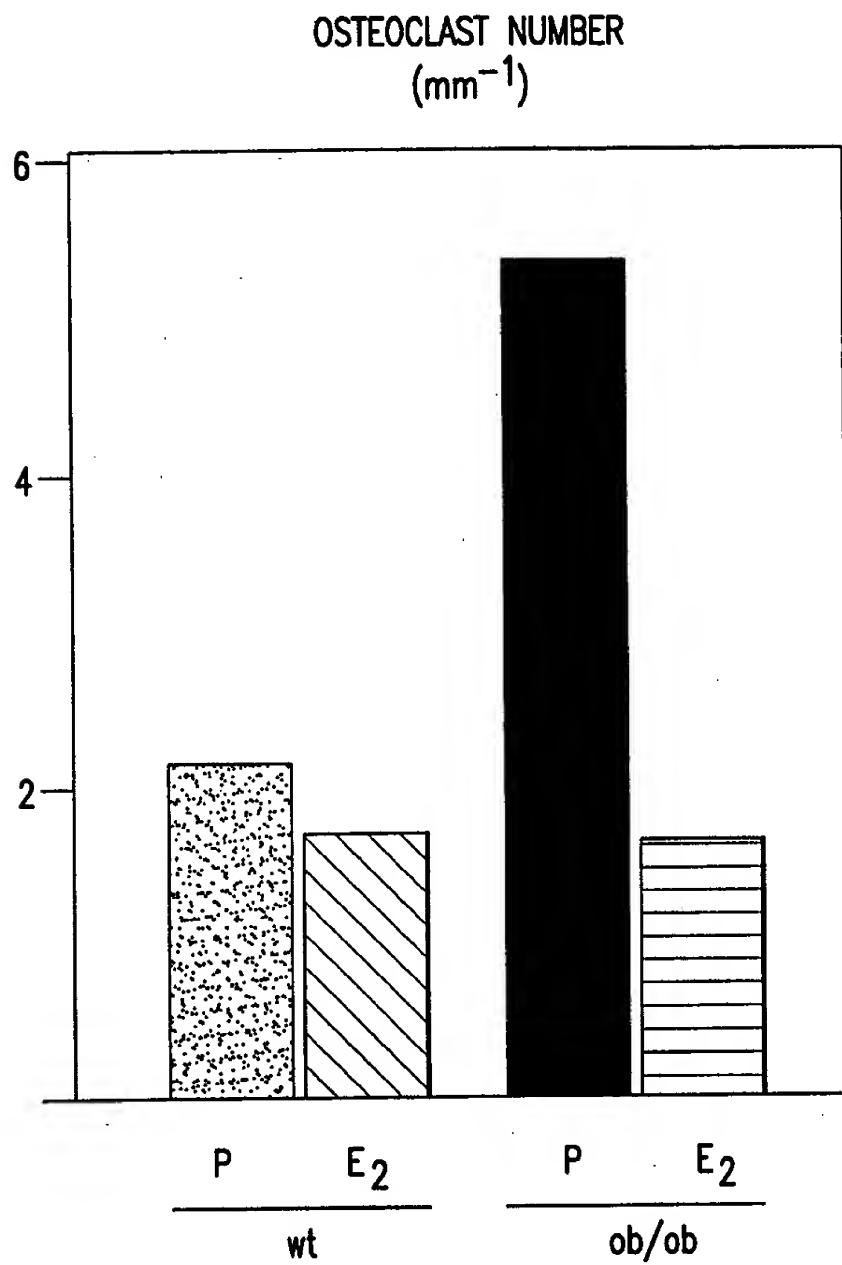


FIG. 4C

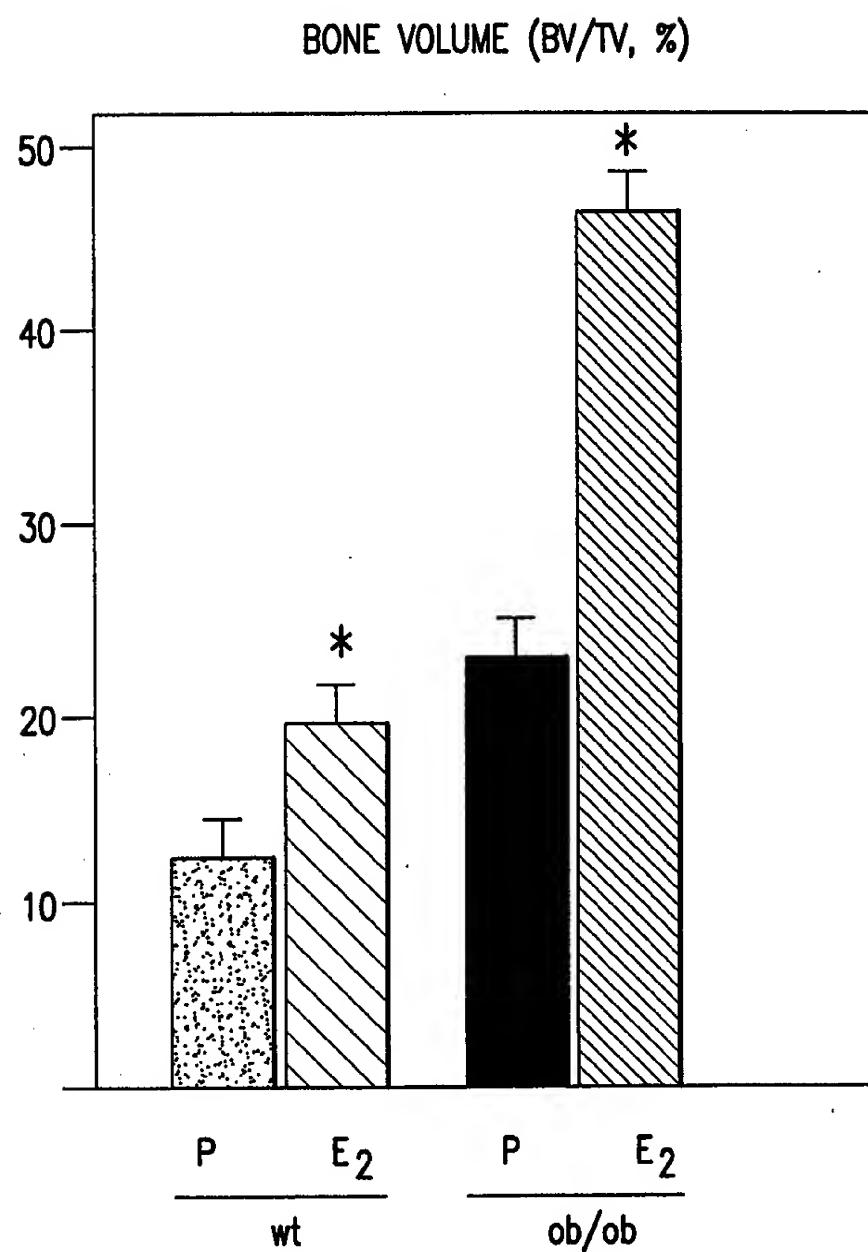
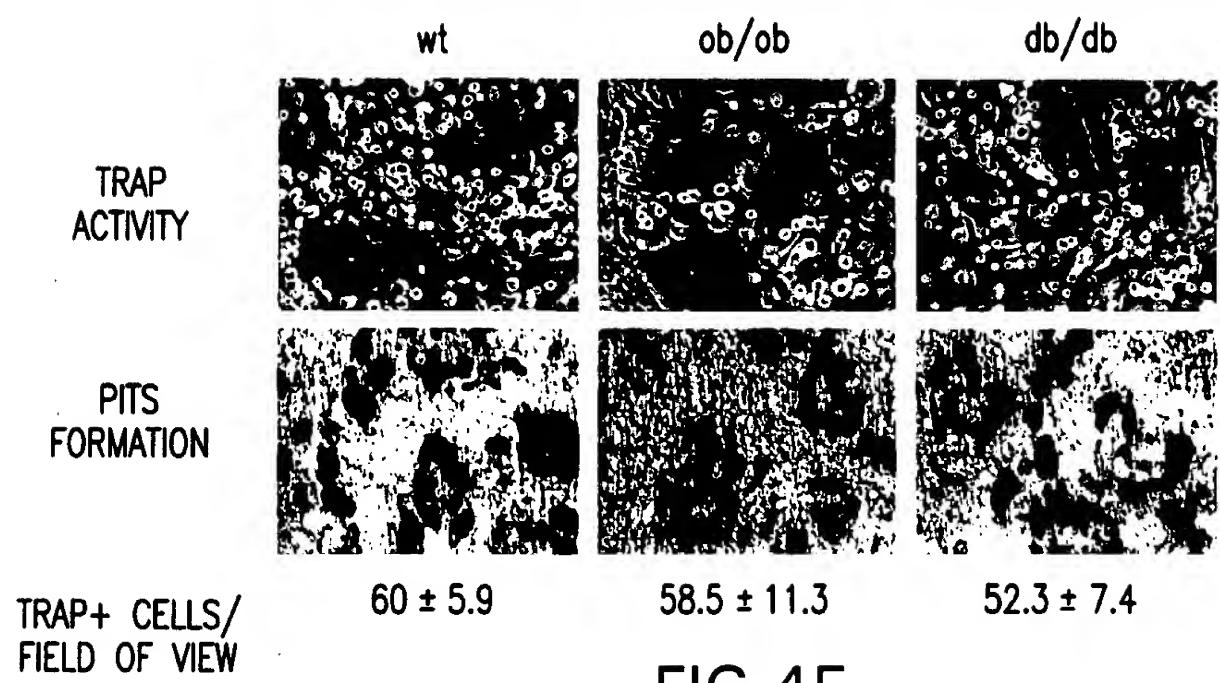


FIG. 4D



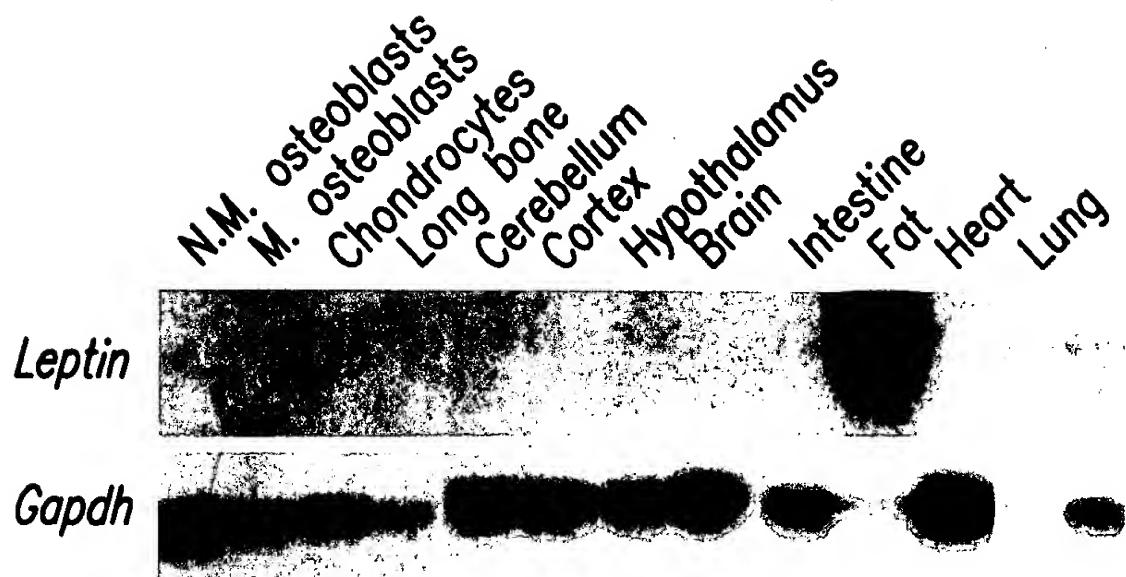


FIG.5A

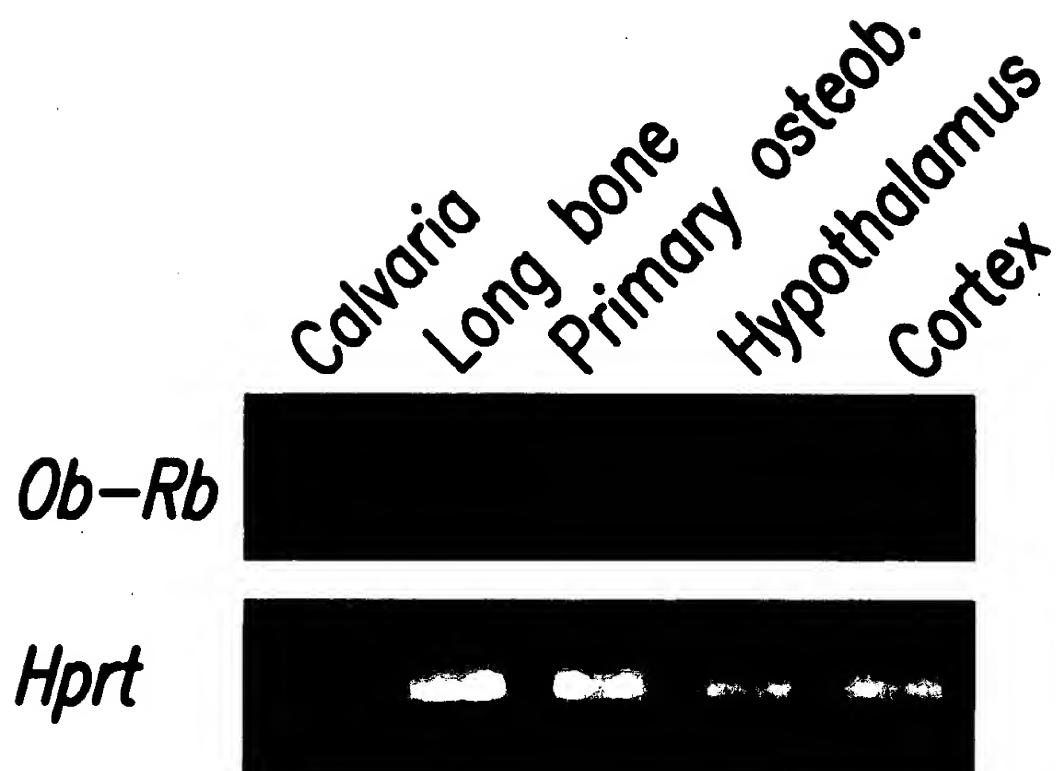


FIG.5B

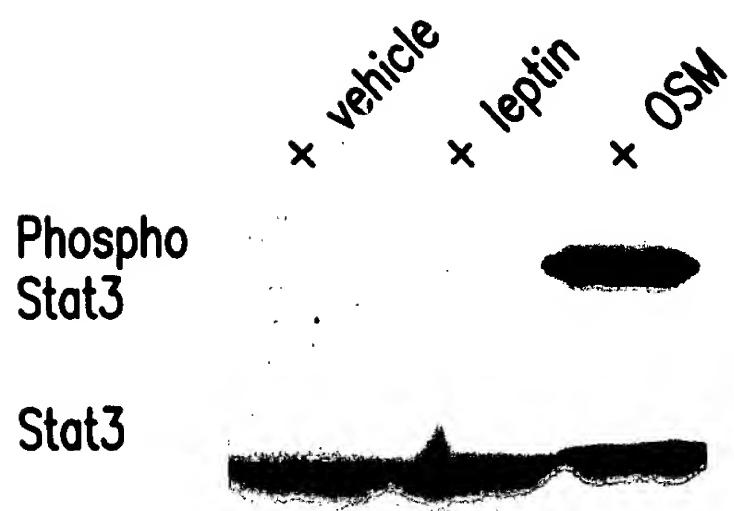


FIG.5C

\times vehicle \times leptin \times OSM
 $\frac{20}{240}$ $\frac{20}{240}$ min.

Tis 11



c-fos



Gapdh



FIG.5D

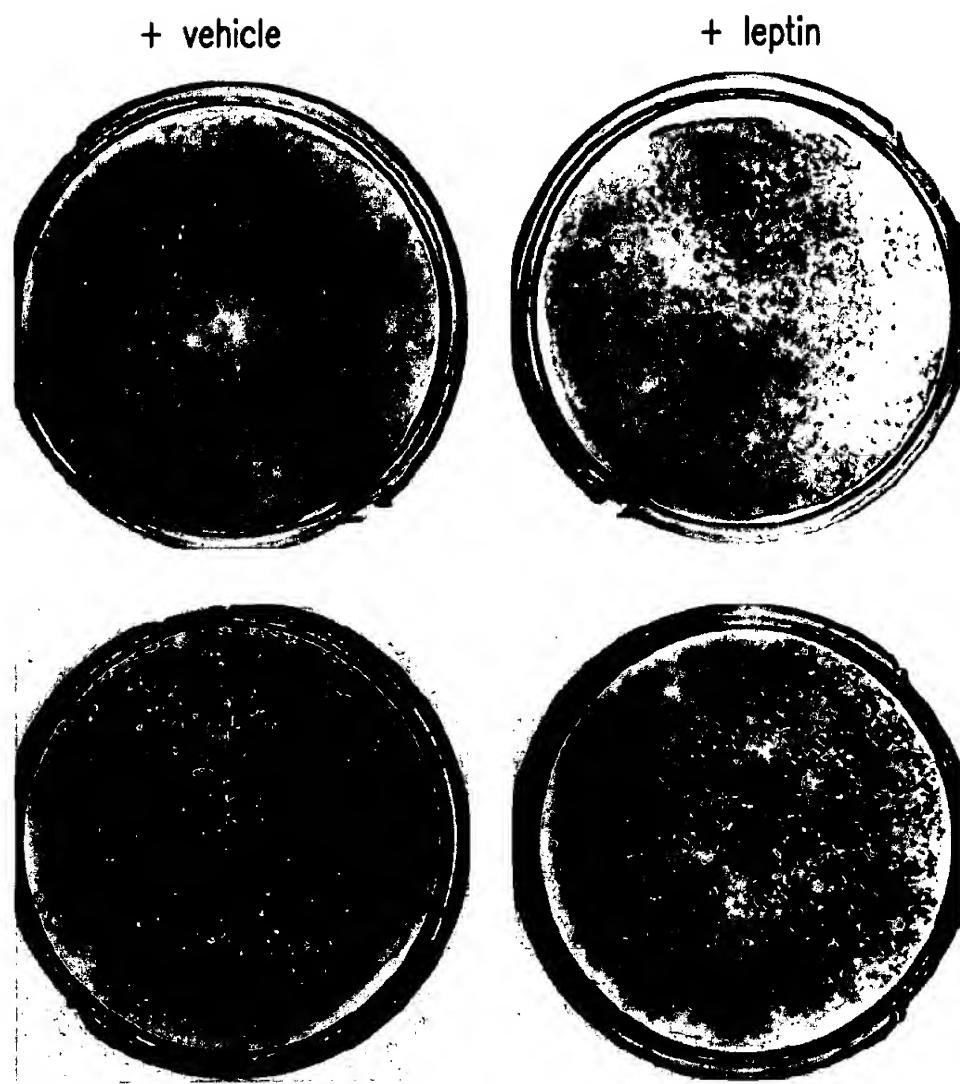


FIG.5E

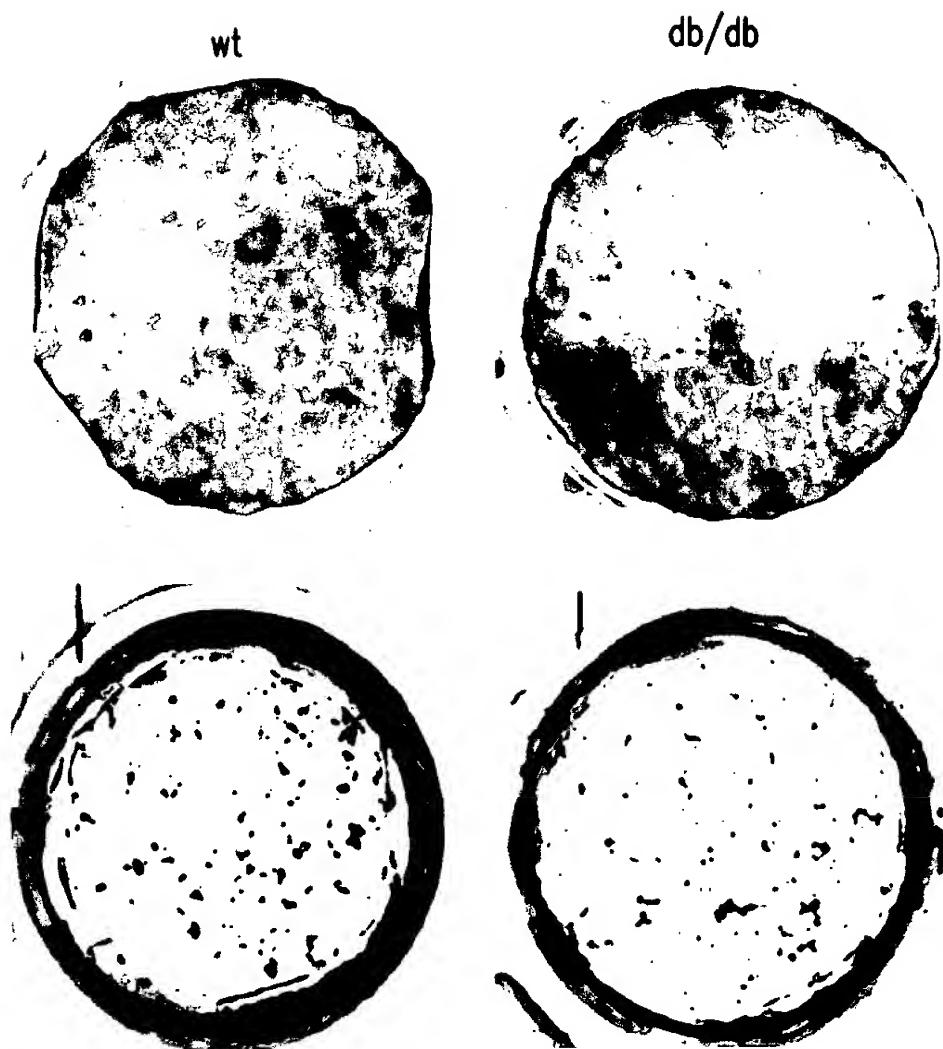


FIG.5F



FIG.6A

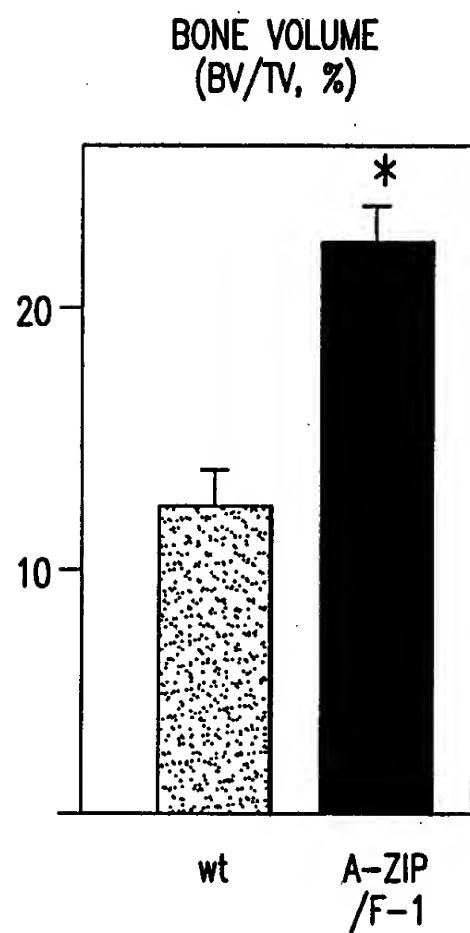


FIG. 6B

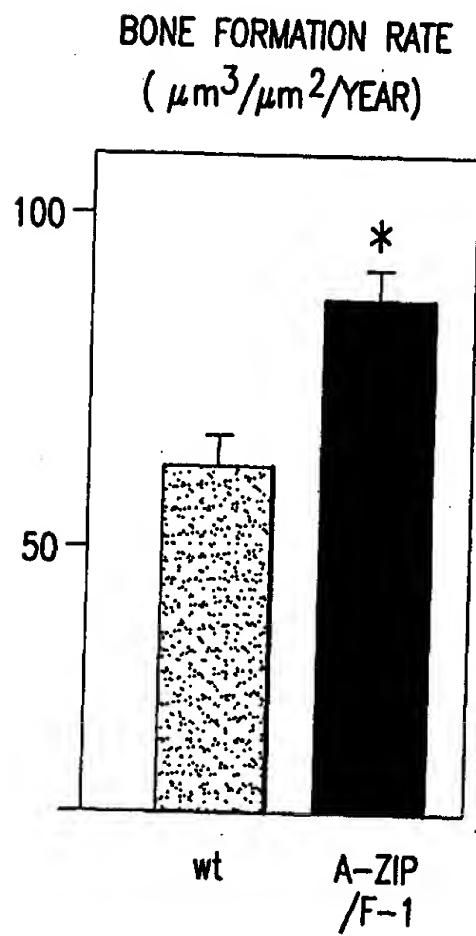


FIG. 6C



FIG.7A

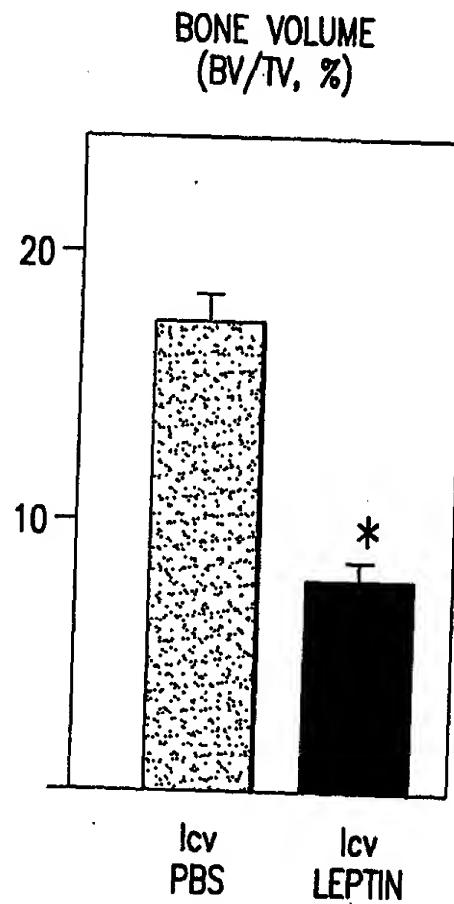


FIG. 7B

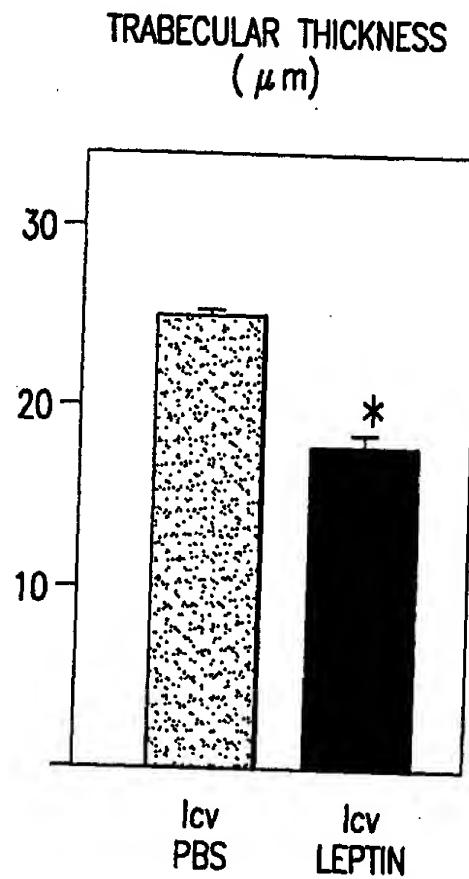


FIG. 7C

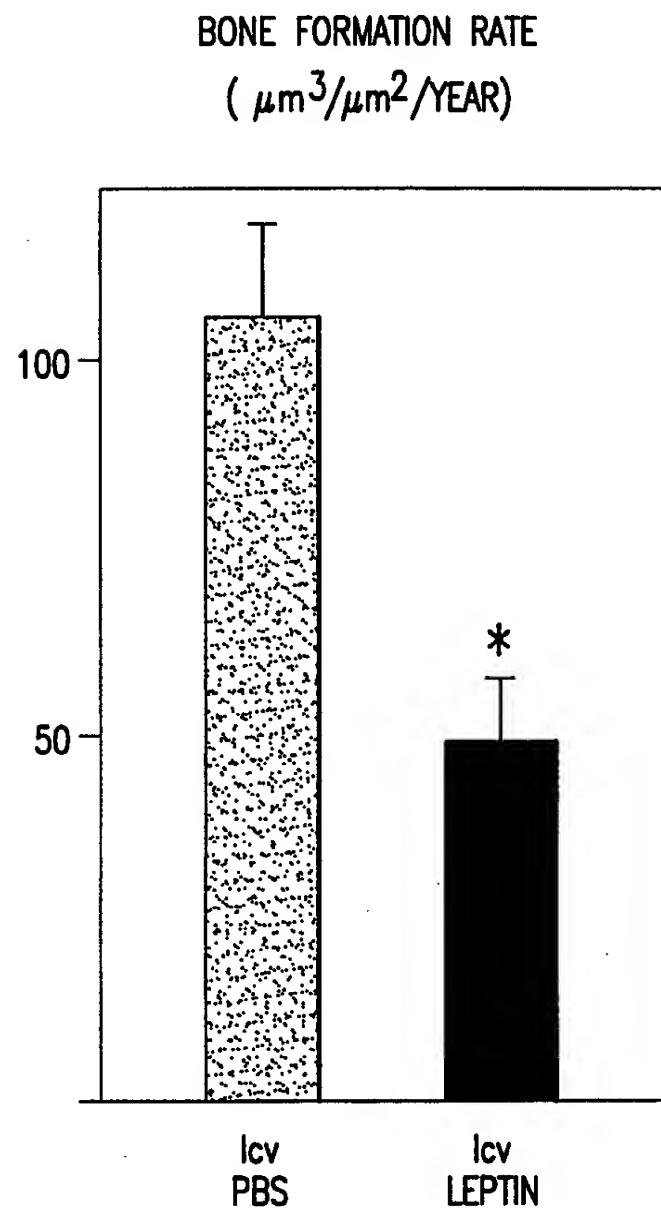


FIG. 7D

| | BONE VOLUME BV/TV (%) | BODY WEIGHT (g) |
|----------------------------------|-----------------------------|--------------------|
| MALES WILD-TYPE (3 MONTHS) | 12.63 ± 2.4 | 23.3 ± 0.6 |
| MALES TRANSGENIC (3 MONTHS) | 24.9 ± 1.4 | 25.8 ± 1.8 |
| FEMALES WILD-TYPE (3 MONTHS) | 16.46 ± 0.1 | 19.0 ± 0.2 |
| FEMALES TRANSGENIC (3 MONTHS) | 20.3 ± 2.2 | 20.5 ± 0.1 |

FIG. 8